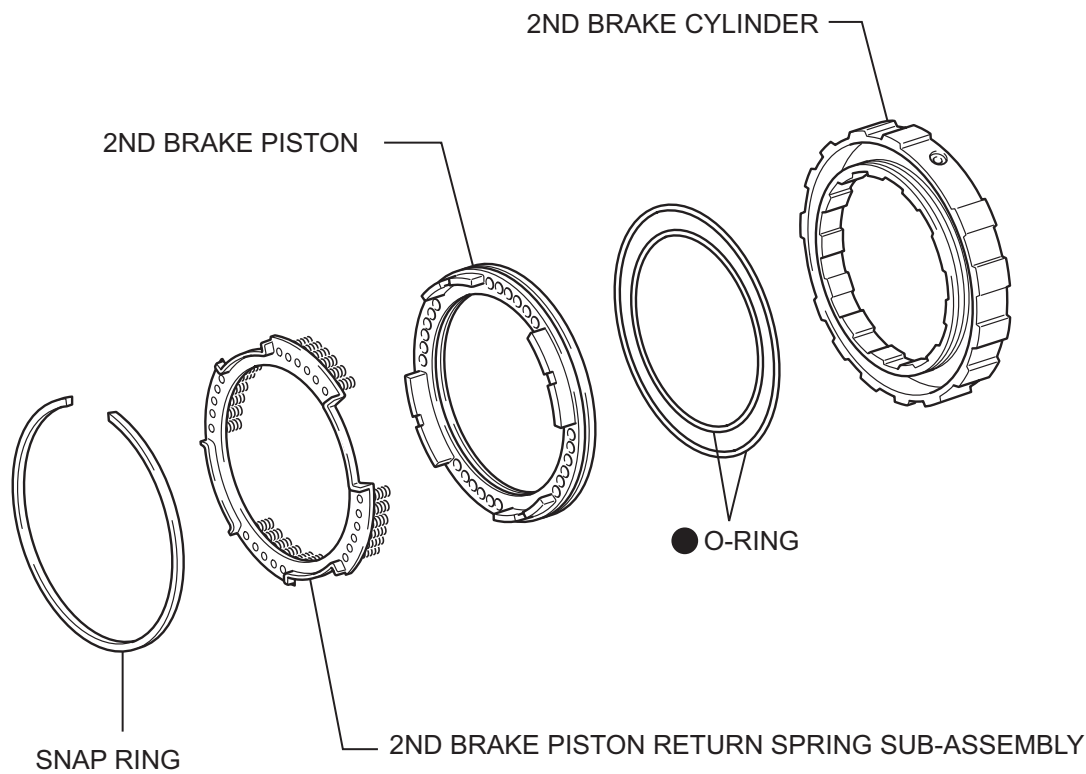


SECOND BRAKE PISTON

COMPONENTS



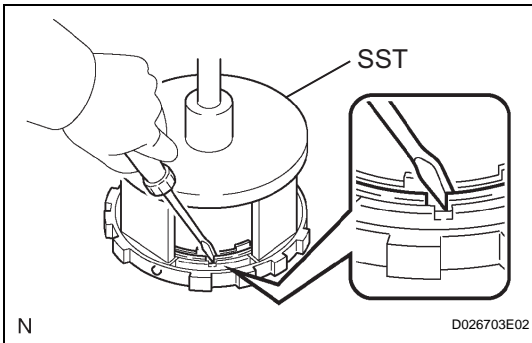
DISASSEMBLY

1. REMOVE 2ND BRAKE PISTON RETURN SPRING SUB-ASSEMBLY

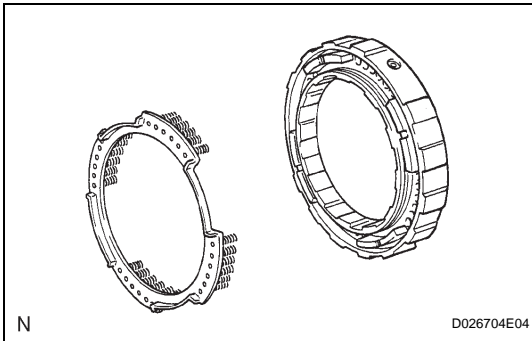
- (a) Place SST on the return spring and compress the return spring with a press.

SST 09387-00060

- (b) Using a screwdriver, remove the snap ring.



- (c) Remove the 2nd brake piston return spring.

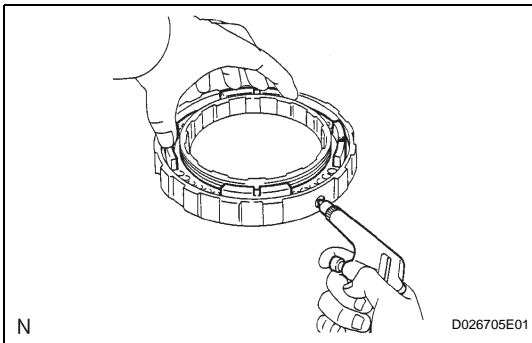


2. REMOVE 2ND BRAKE PISTON

- (a) Hold the 2nd brake piston and apply compressed air (392 kPa, 4.0 kgf/cm², 57 psi) to the 2nd brake cylinder to remove the 2nd brake piston.

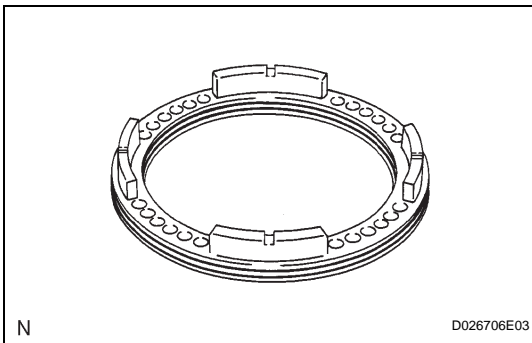
NOTICE:

Hold the piston with a shop rag or a piece of cloth when removing the piston. Failure to do so may result in the piston jumping out from the cylinder.



3. REMOVE 2ND BRAKE PISTON O-RING

- (a) Remove the 2 O-rings from the 2nd brake piston.



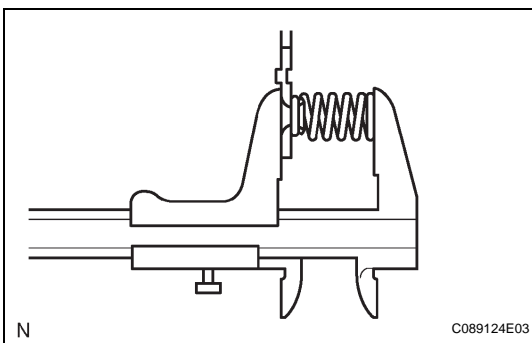
INSPECTION

1. INSPECT 2ND BRAKE PISTON RETURN SPRING SUB-ASSEMBLY

- (a) Using a vernier caliper, measure the free length of the spring together with the spring seat.

Standard free length:

16.61 mm (0.6539 in.)



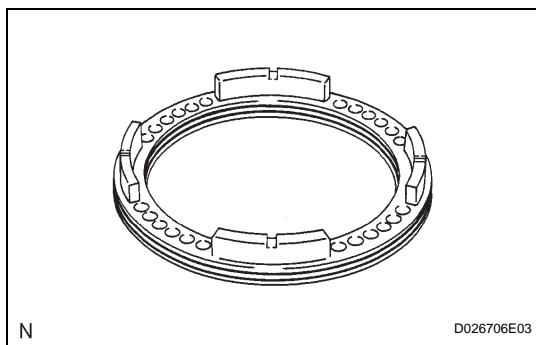
REASSEMBLY

1. INSTALL 2ND BRAKE PISTON O-RING

- (a) Coat 2 new O-rings with ATF, and install them in the 2nd brake piston.

NOTICE:

Make sure that the O-ring is not twisted or pinched.

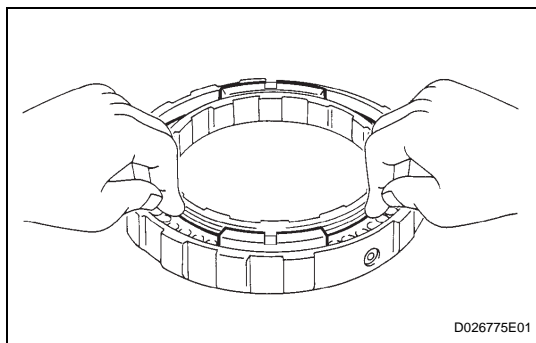


2. INSTALL 2ND BRAKE PISTON

- (a) Coat the 2nd brake piston with ATF, and install it to the 2nd brake cylinder.

NOTICE:

Be careful not to damage the O-ring.

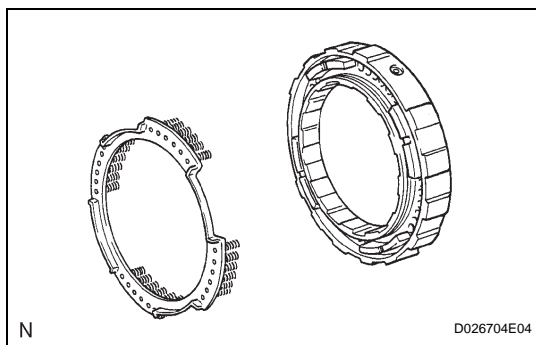


3. INSTALL 2ND BRAKE PISTON RETURN SPRING SUB-ASSEMBLY

- (a) Install the 2nd brake piston return spring.

NOTICE:

After installing the spring, check that all of the springs fit in the piston correctly.



- (b) Place SST on the piston return spring, and compress the piston return spring with a press.

SST 09387-00060

- (c) Using a screwdriver, install the snap ring.
 (d) Be sure that the end gap of the snap ring is not aligned with the spring retainer claw.

NOTICE:

Stop the press when the spring seat is lowered to a position 1 to 2 mm (0.039 to 0.078 in.) from the snap ring groove. This prevents the spring seat from being deformed.

